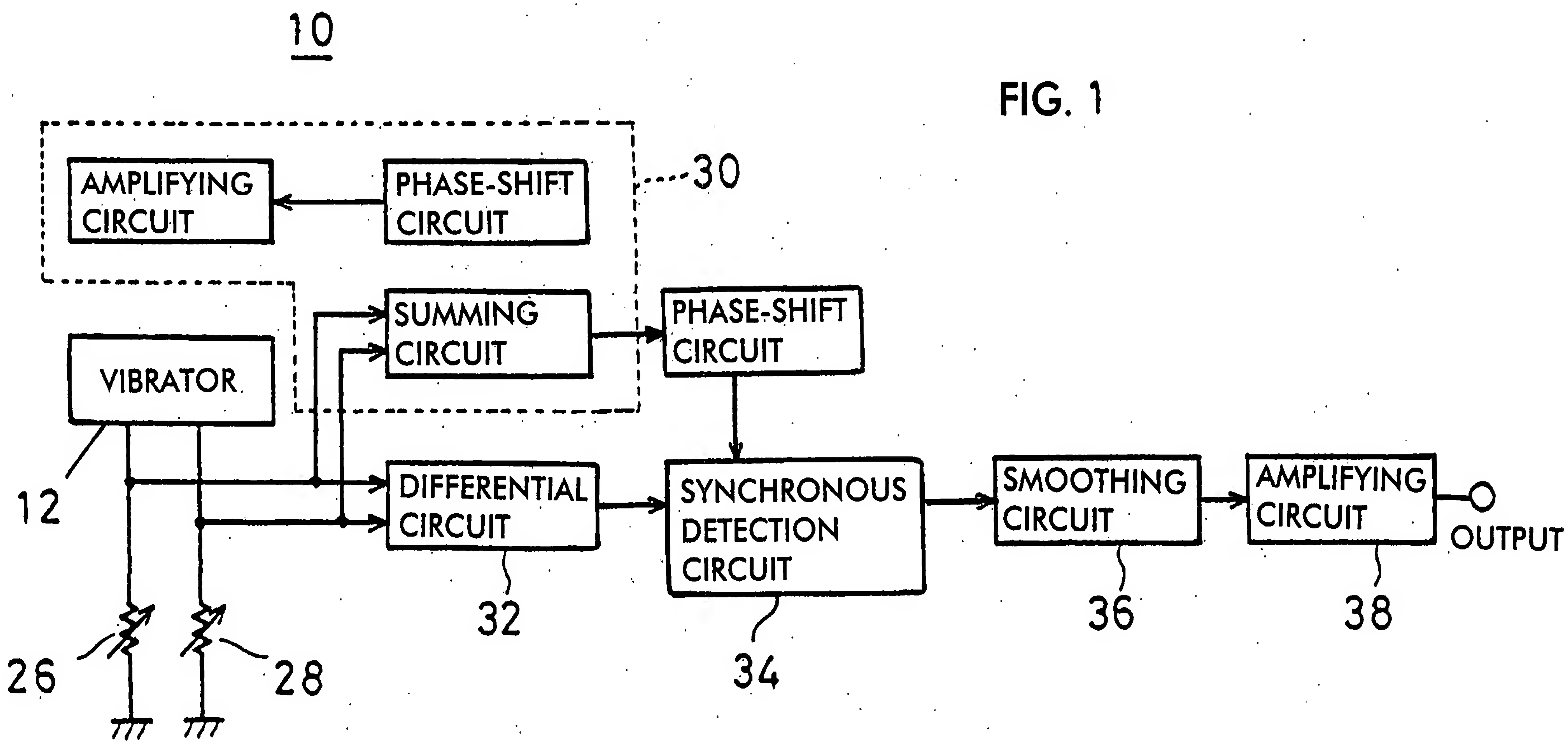

10
AMPLIFYING CIRCUIT
PHASE-SHIFT CIRCUIT
30
SUMMING CIRCUIT
PHASE-SHIFT CIRCUIT
VIBRATOR
DIFFERENTIAL CIRCUIT
SYNCHRONOUS DETECTION CIRCUIT
SMOOTHING CIRCUIT
AMPLIFYING CIRCUIT
OUTPUT
12
32
34
36
38
26
28

FIG. 1

FIG. 2

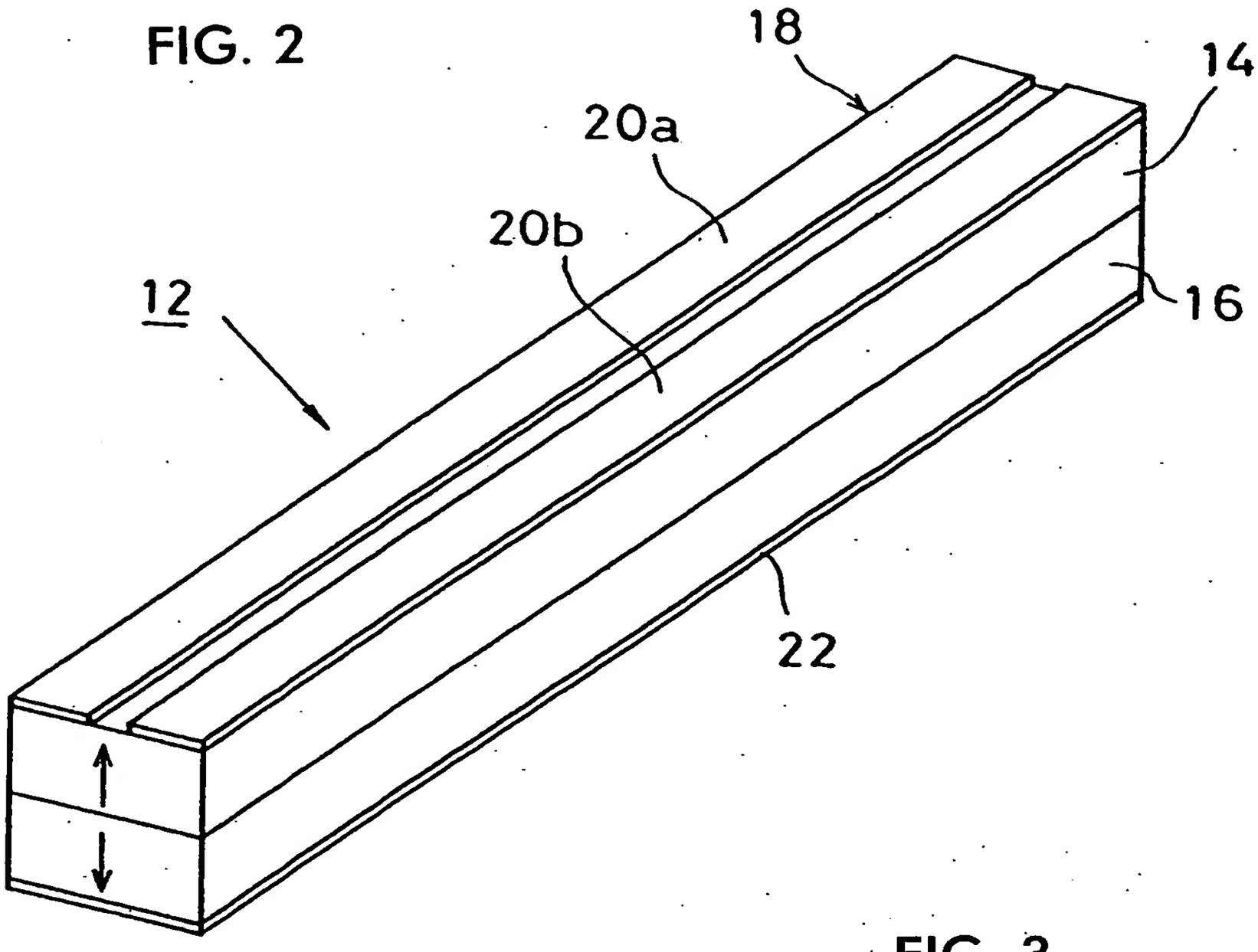
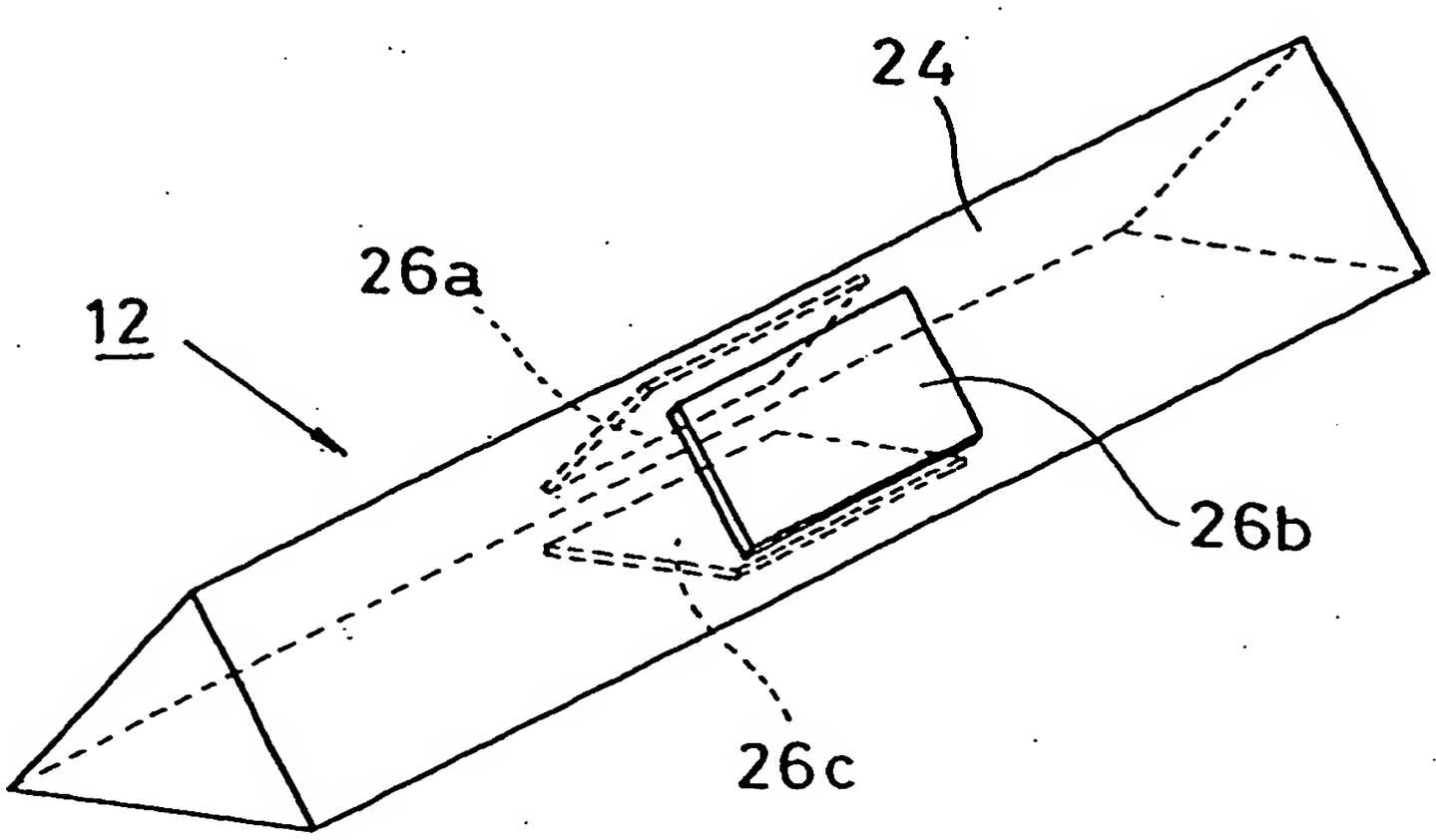


FIG. 3



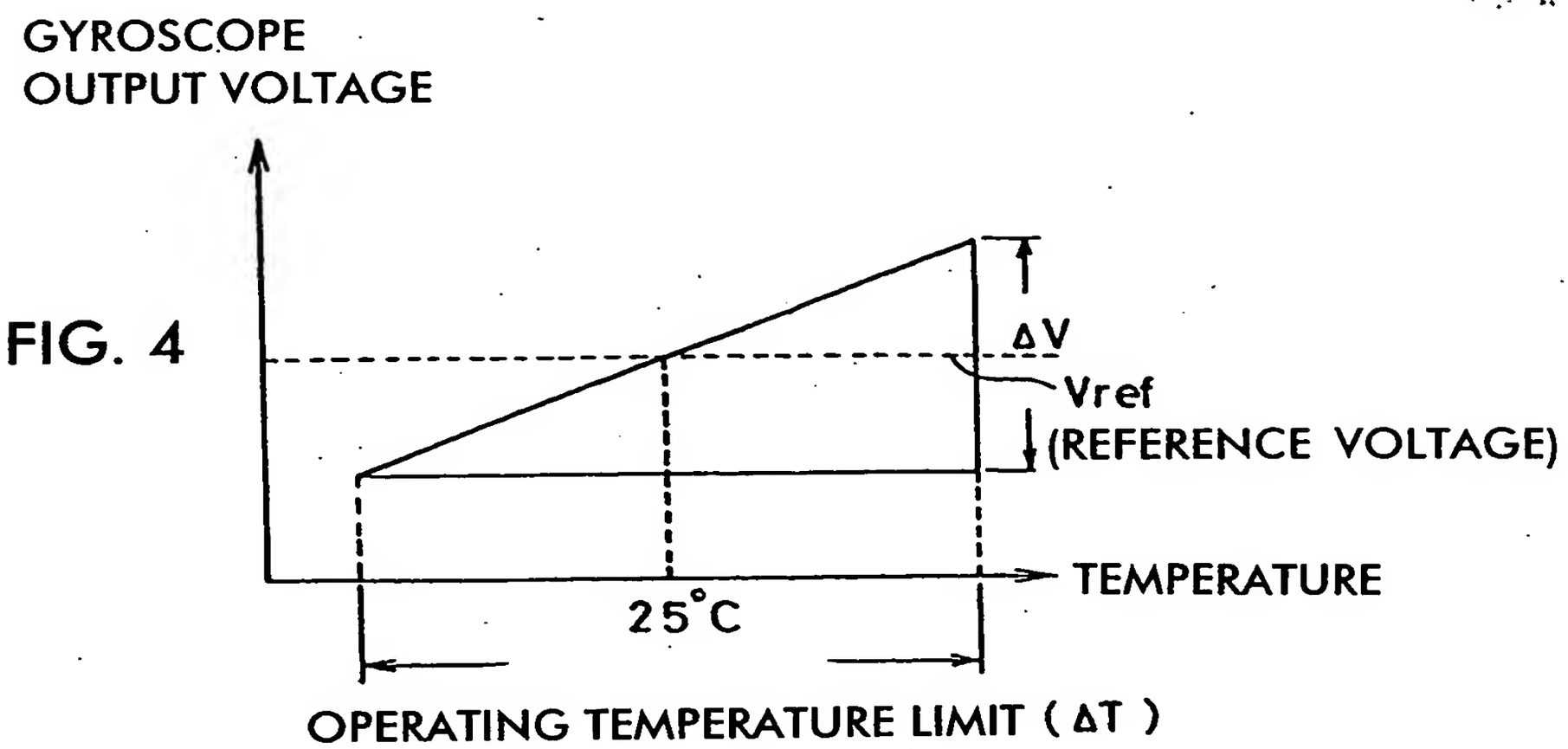


FIG. 4

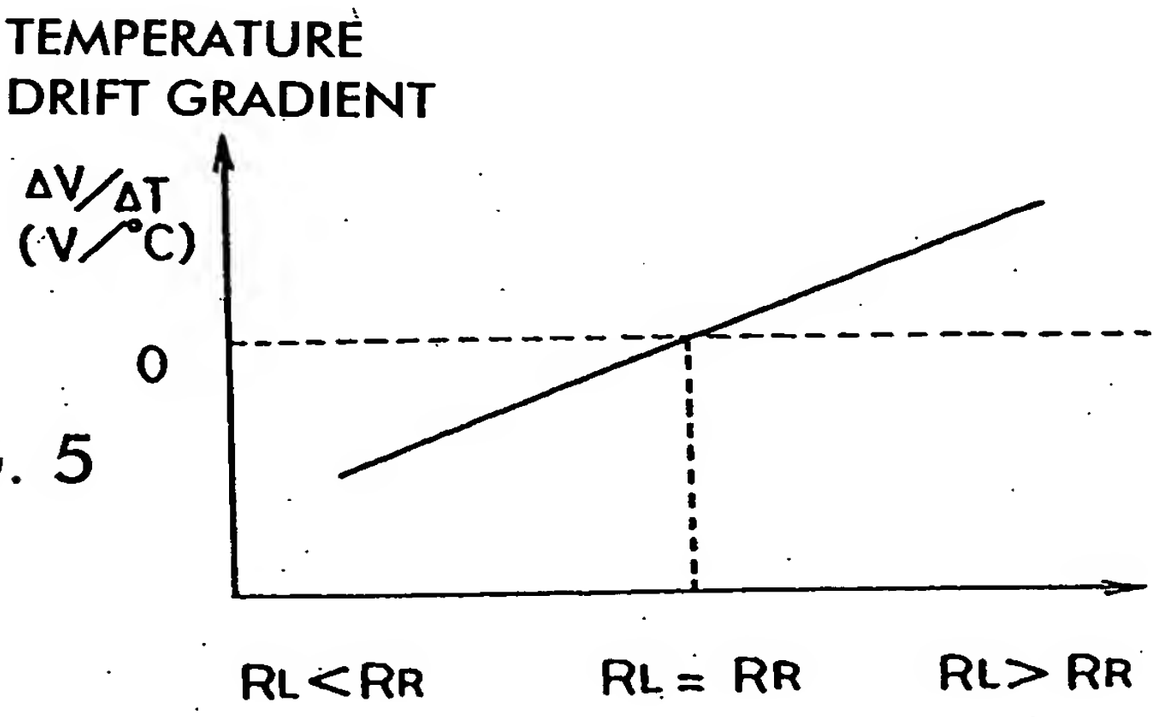


FIG. 5

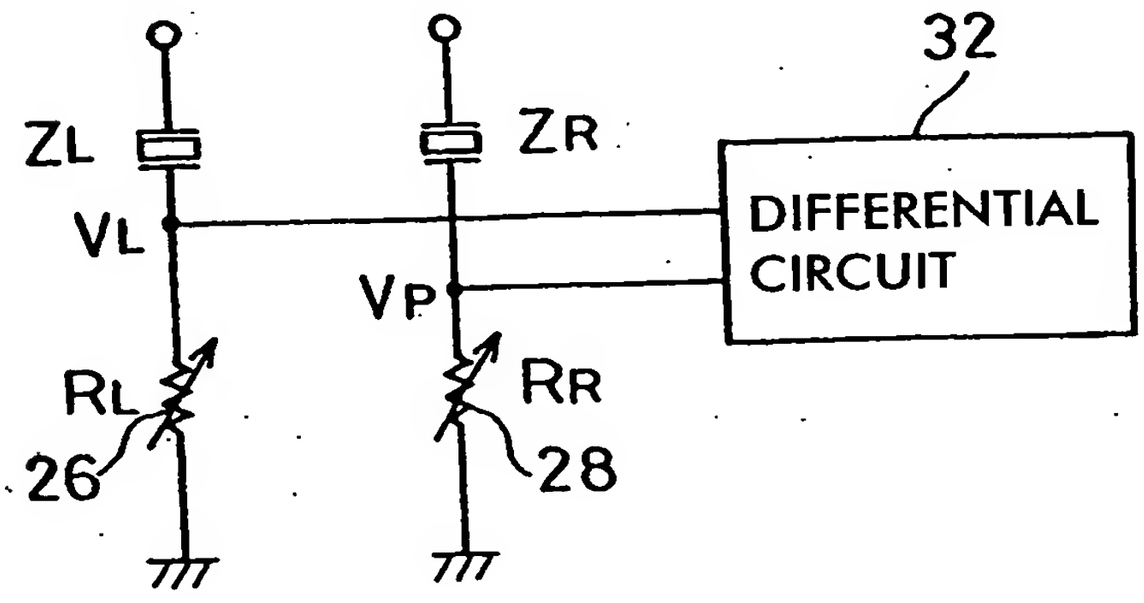


FIG. 6

FIG. 7

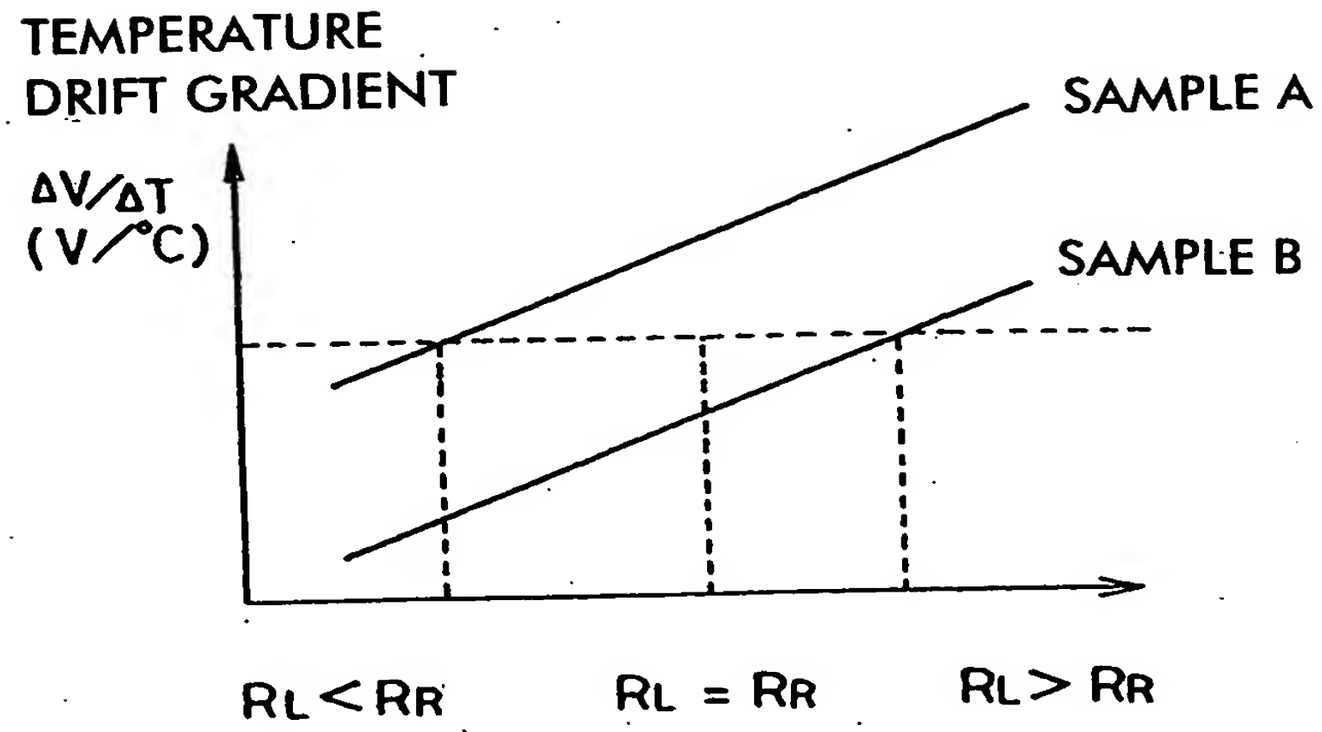

TEMPERATURE
DRIFT GRADIENT
ΔV/ΔT
(V/°C)
SAMPLE A
SAMPLE B
RL<RR
RL = RR
RL>RR

FIG. 8

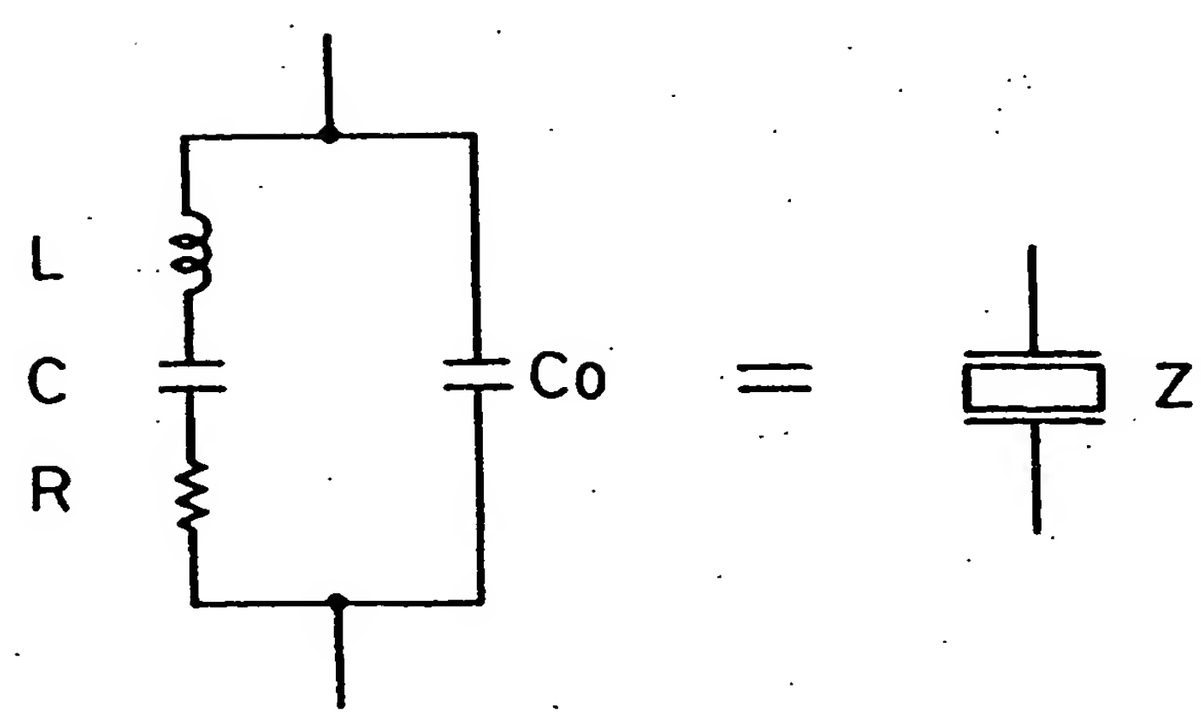

L
C
R
Co
Z

FIG. 9

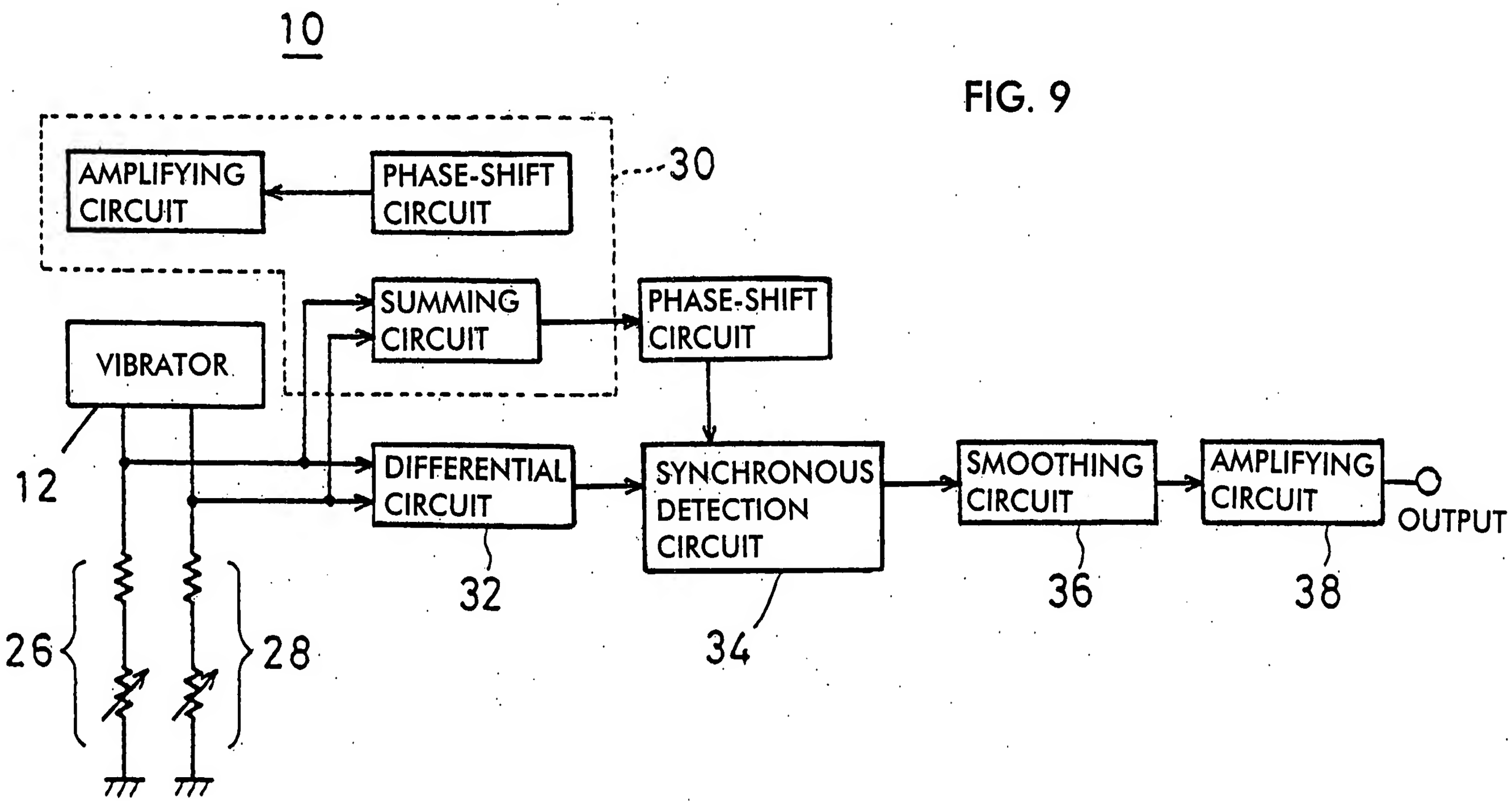

10
AMPLIFYING CIRCUIT
PHASE-SHIFT CIRCUIT
30
SUMMING CIRCUIT
PHASE-SHIFT CIRCUIT
VIBRATOR
12
DIFFERENTIAL CIRCUIT
SYNCHRONOUS DETECTION CIRCUIT
SMOOTHING CIRCUIT
AMPLIFYING CIRCUIT
OUTPUT
32
34
36
38
26
28

FIG. 10 PRIOR ART

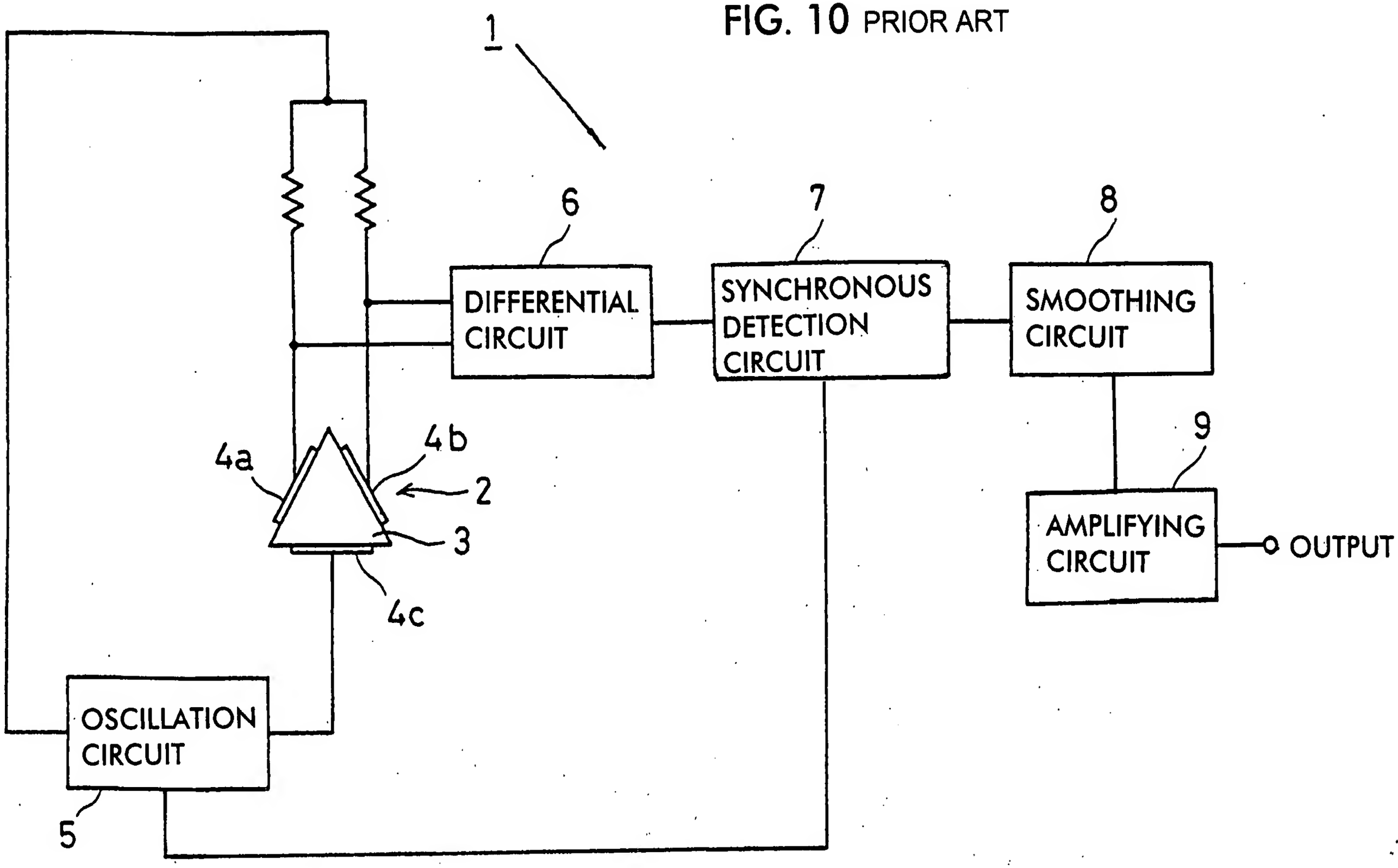


FIG. 11 PRIOR ART

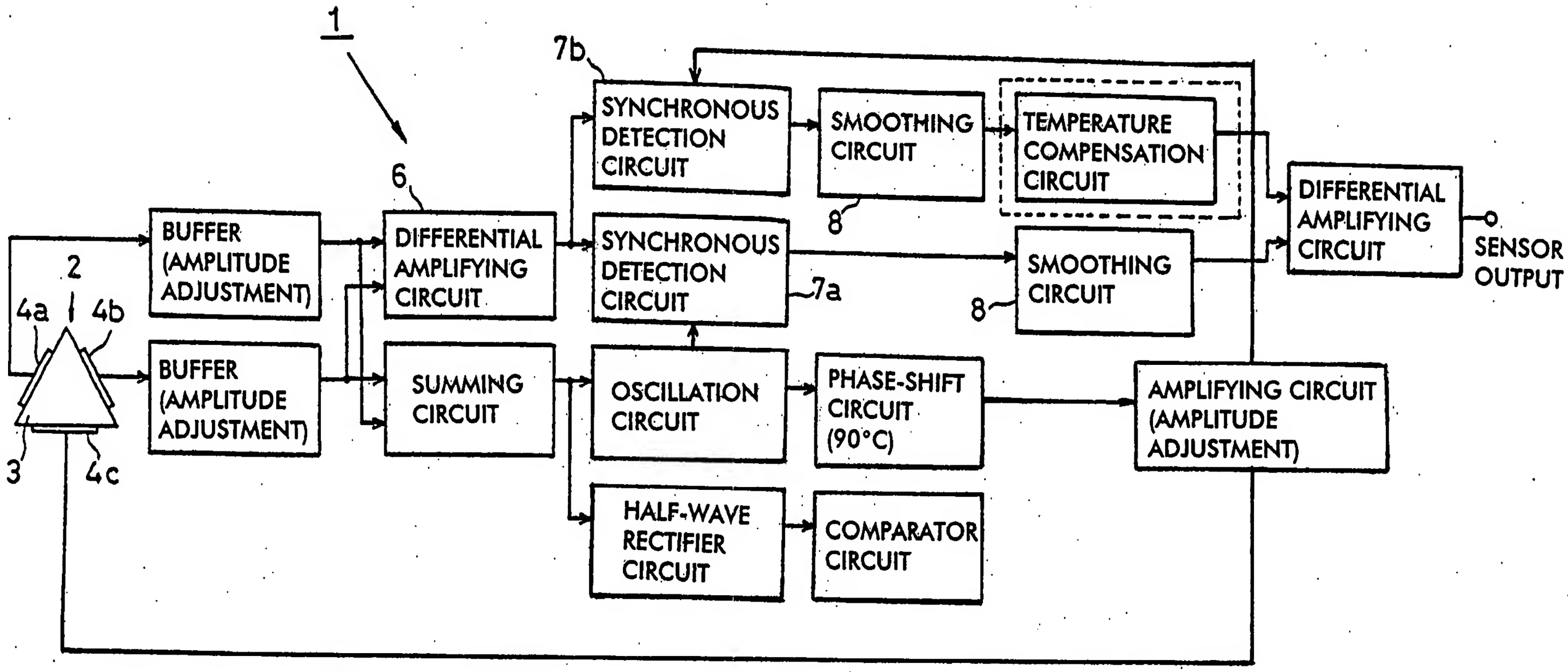


FIG. 12

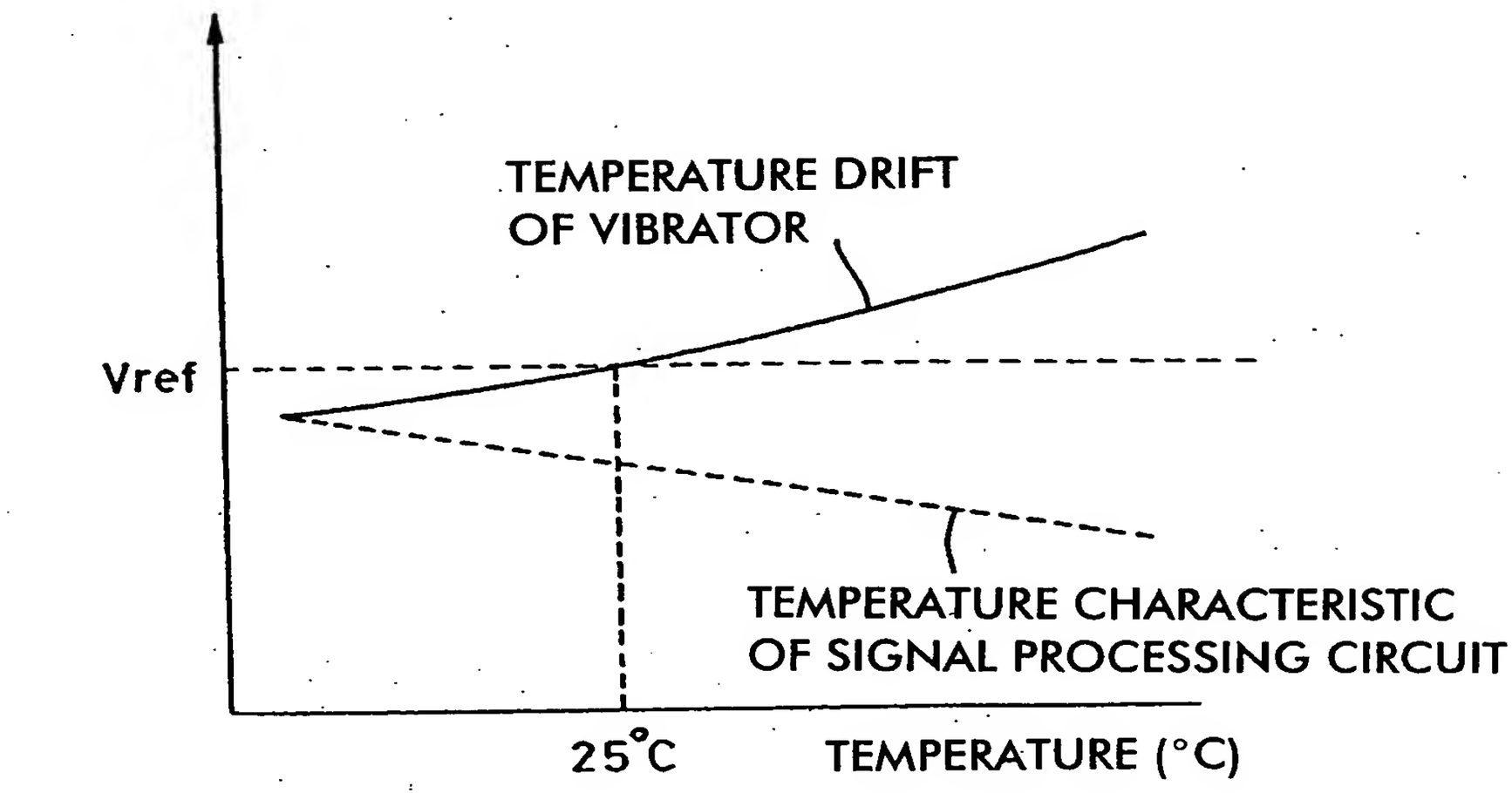

OUTPUT VOLTAGE
TEMPERATURE DRIFT
OF VIBRATOR
Vref
TEMPERATURE CHARACTERISTIC
OF SIGNAL PROCESSING CIRCUIT
25°C
TEMPERATURE (°C)

FIG. 13

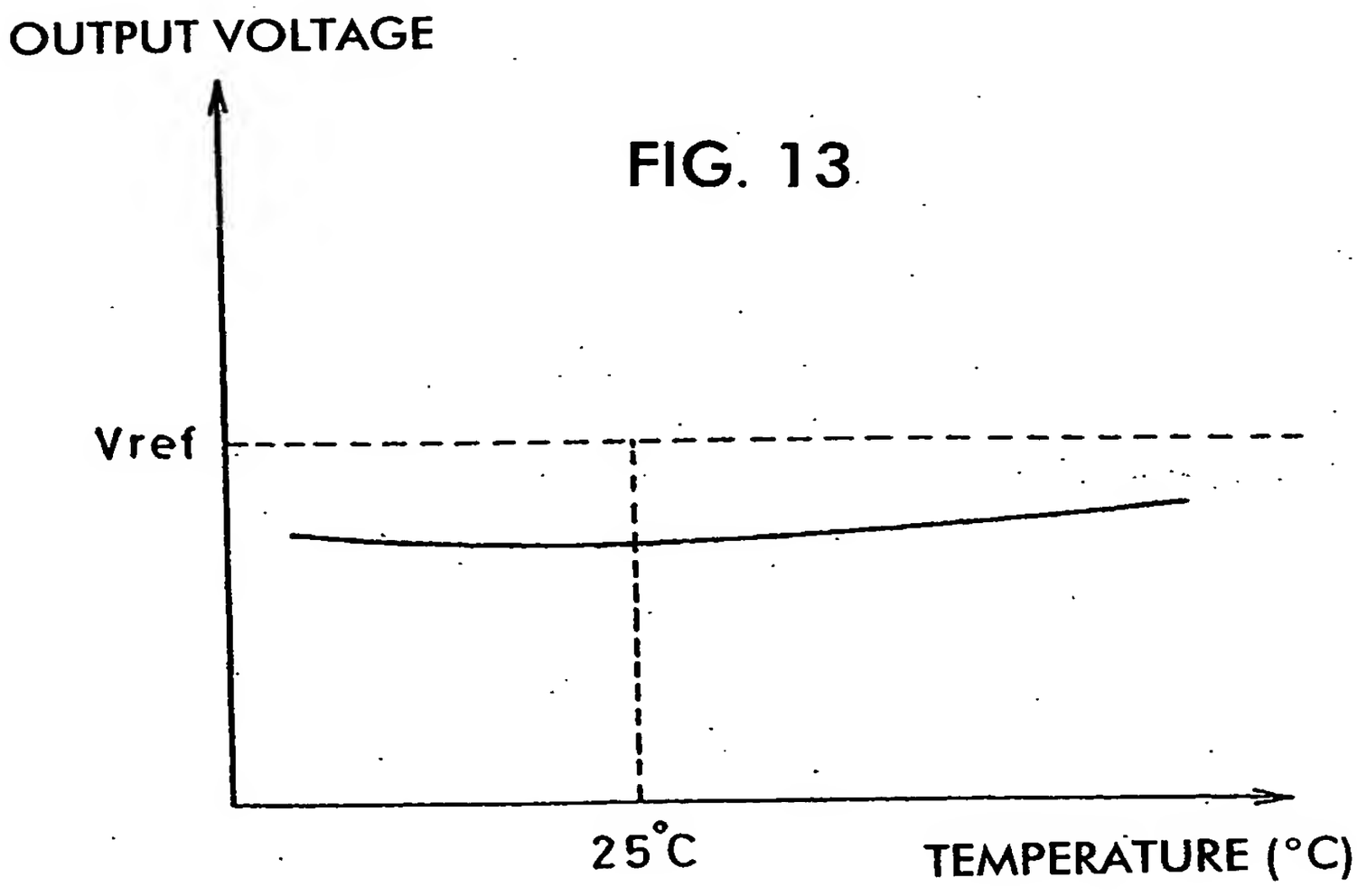
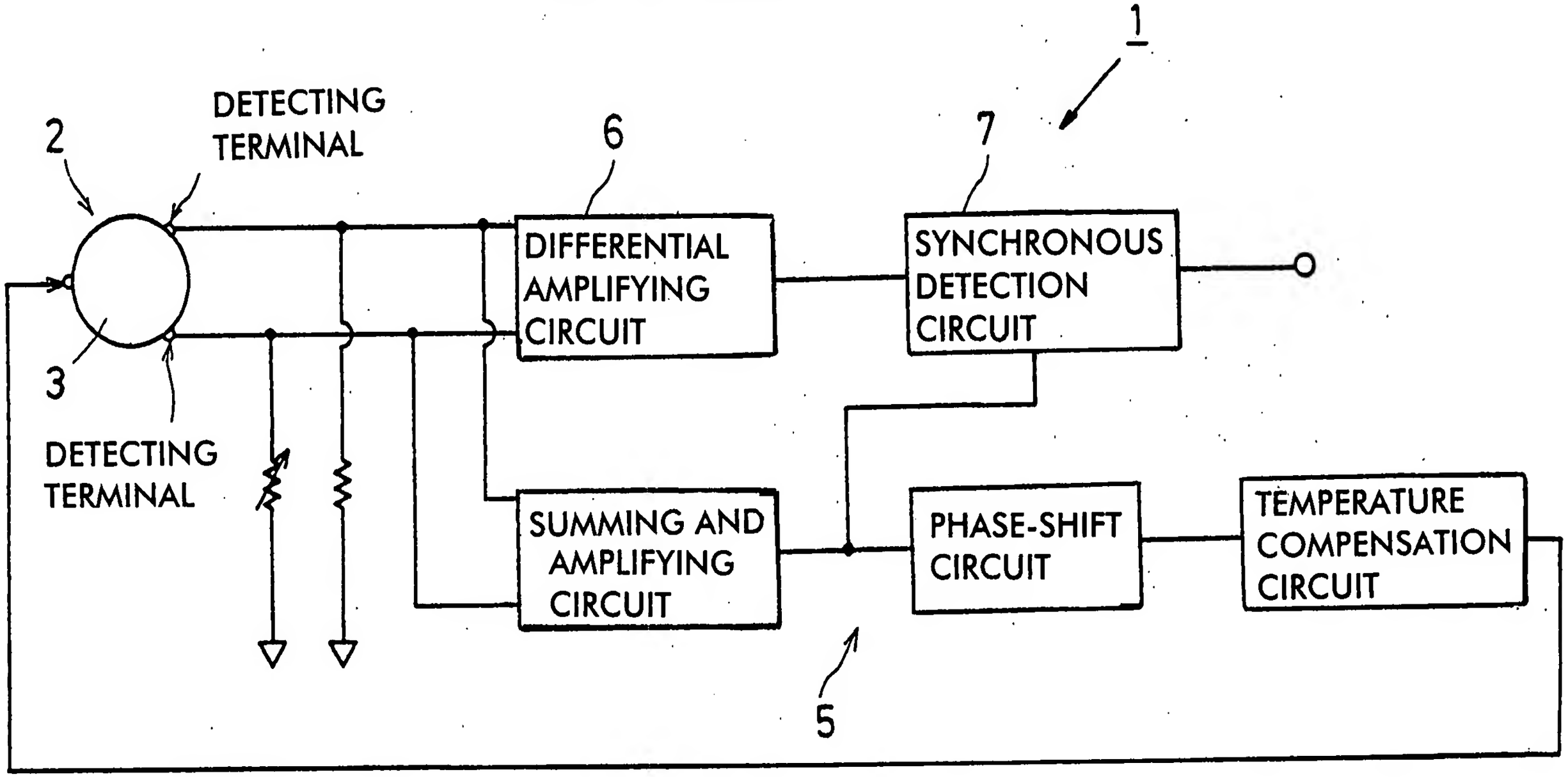

OUTPUT VOLTAGE
Vref
25°C
TEMPERATURE (°C)

FIG. 14 PRIOR ART



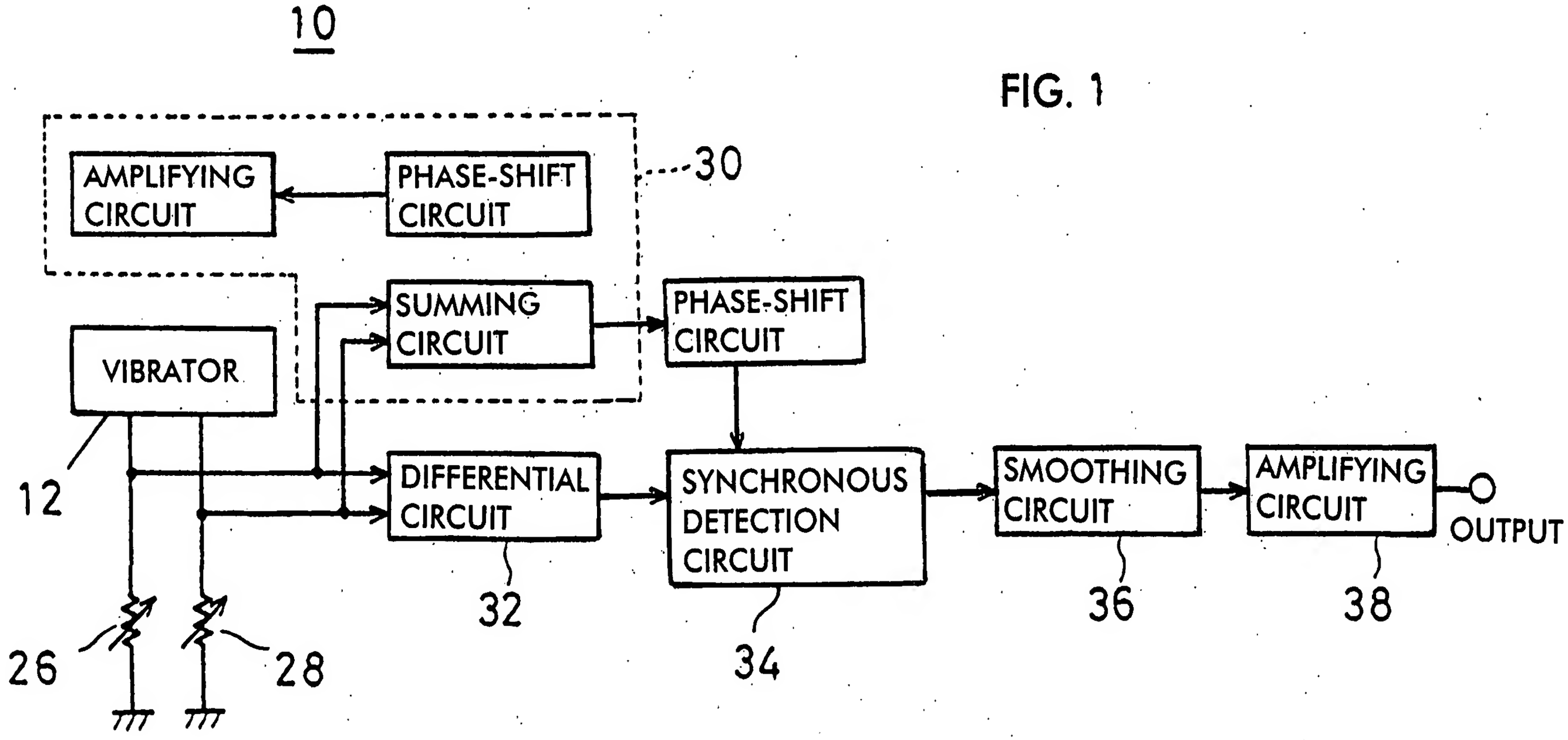

10
AMPLIFYING CIRCUIT
PHASE-SHIFT CIRCUIT
30
SUMMING CIRCUIT
PHASE-SHIFT CIRCUIT
VIBRATOR
12
DIFFERENTIAL CIRCUIT
SYNCHRONOUS DETECTION CIRCUIT
SMOOTHING CIRCUIT
AMPLIFYING CIRCUIT
OUTPUT
32
34
36
38
26
28

FIG. 1

FIG. 2

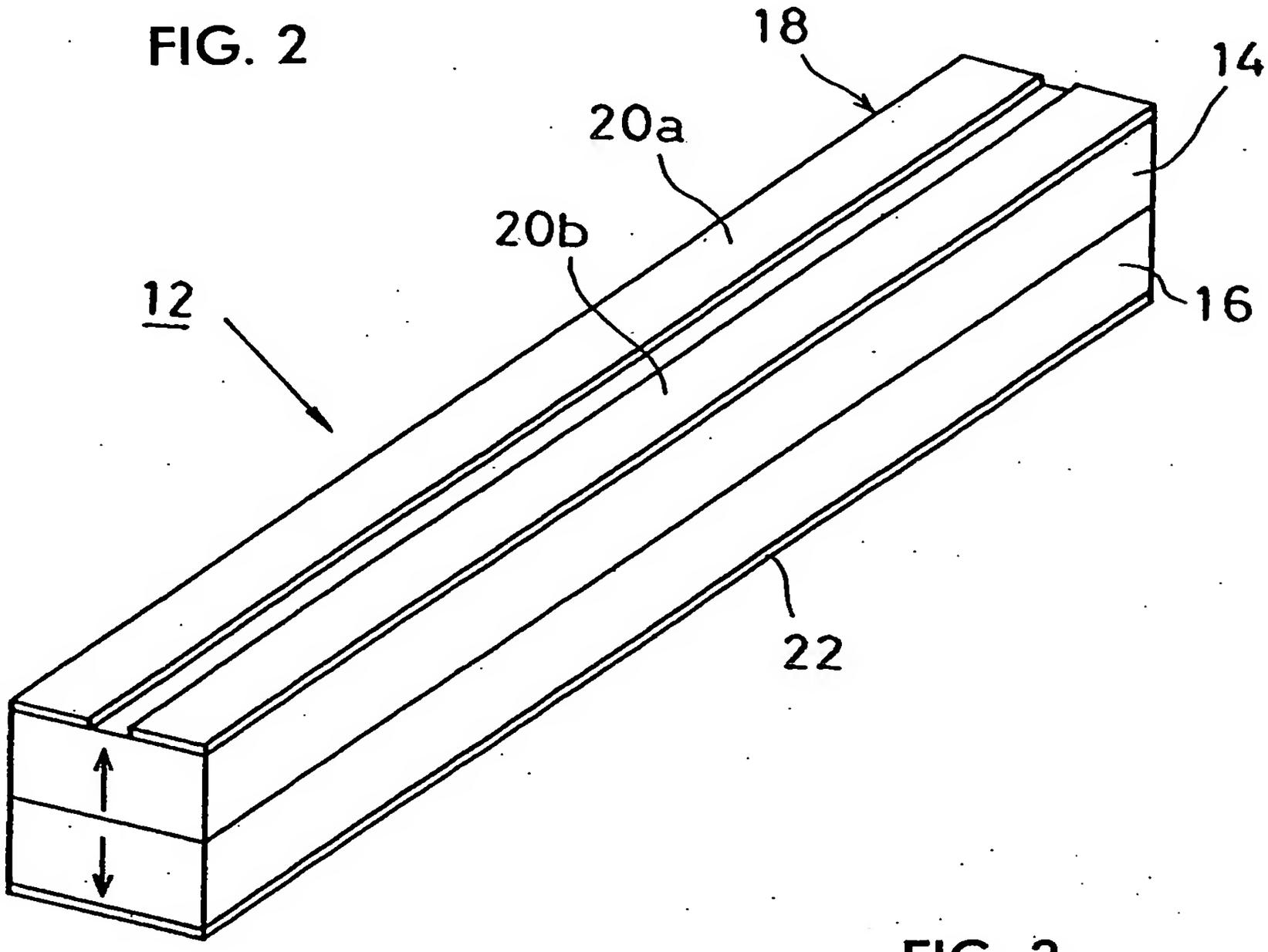
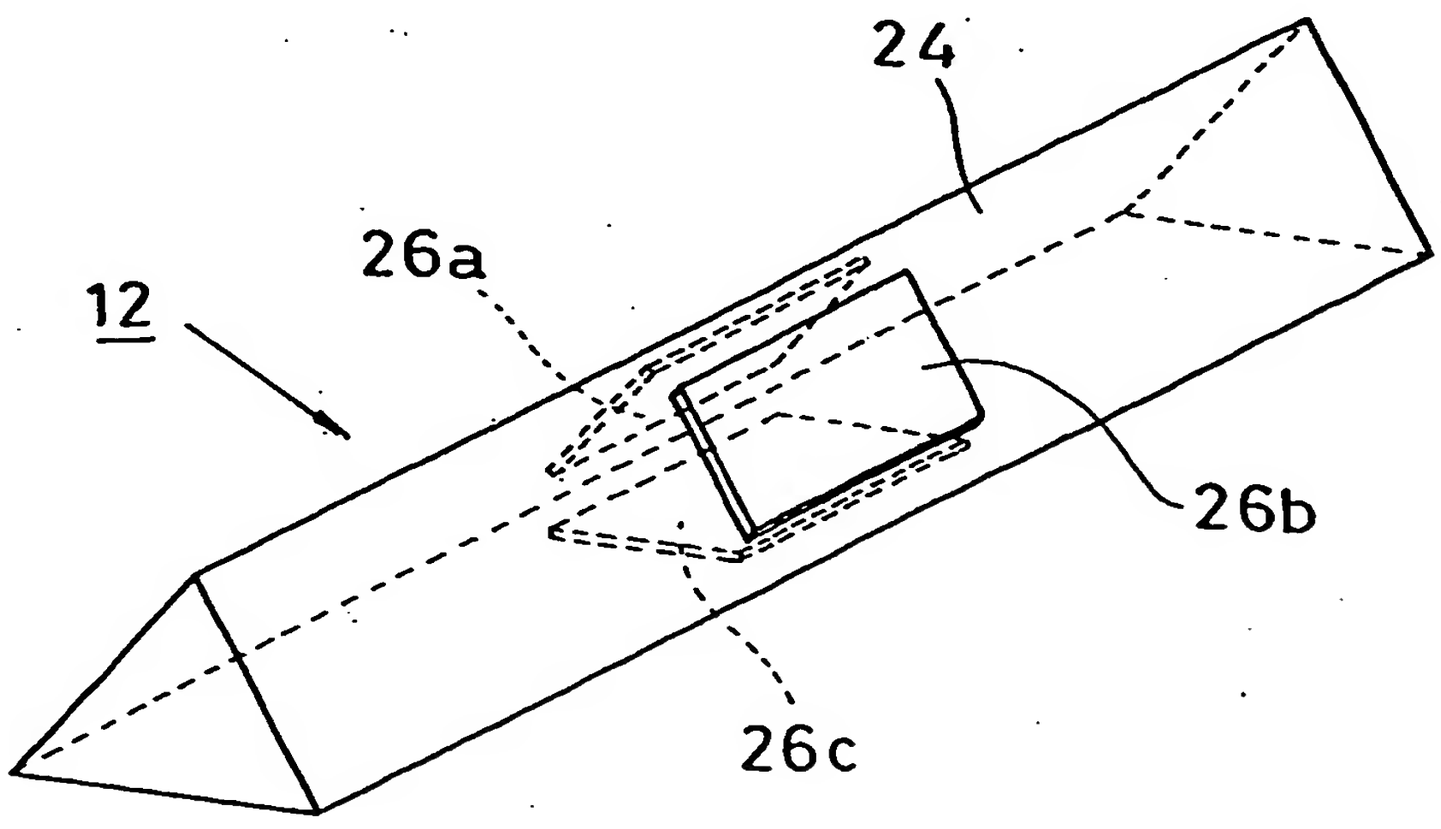


FIG. 3



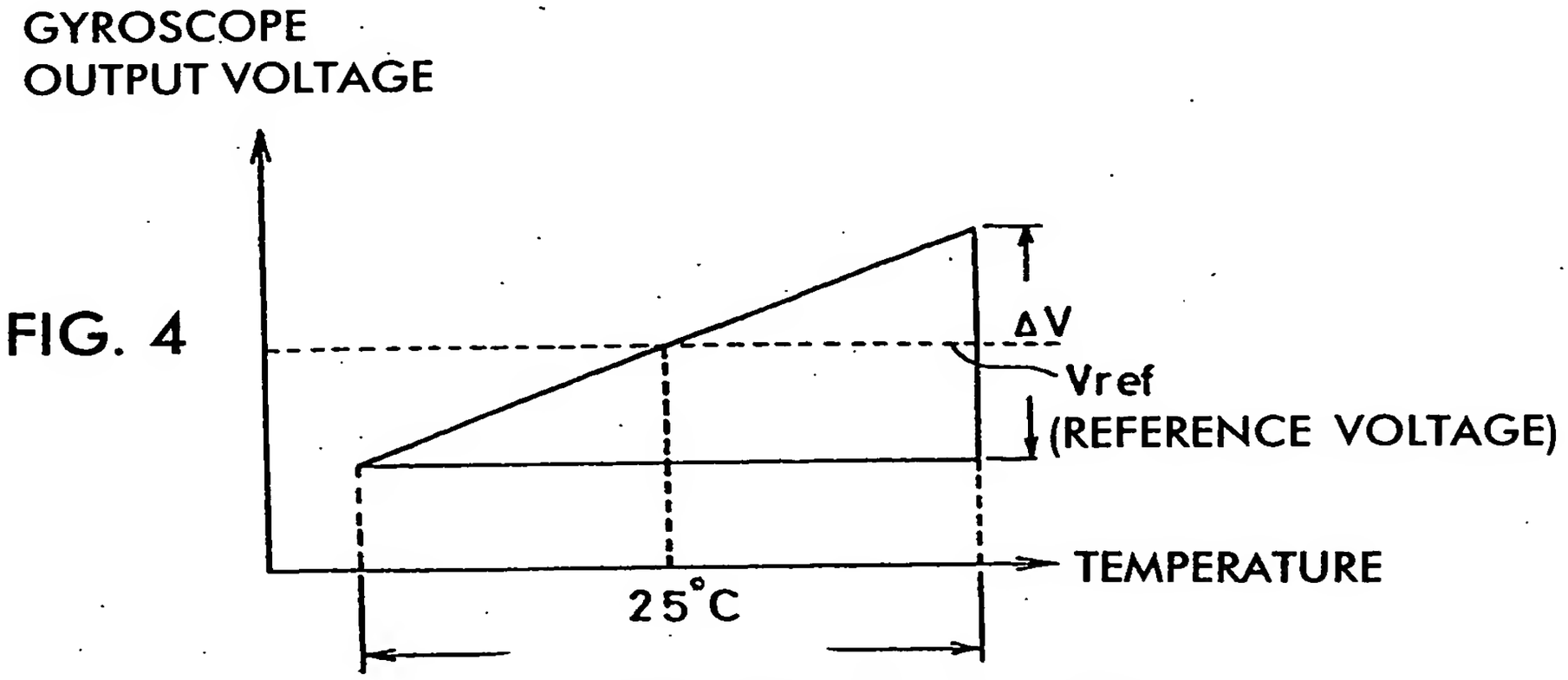


FIG. 4

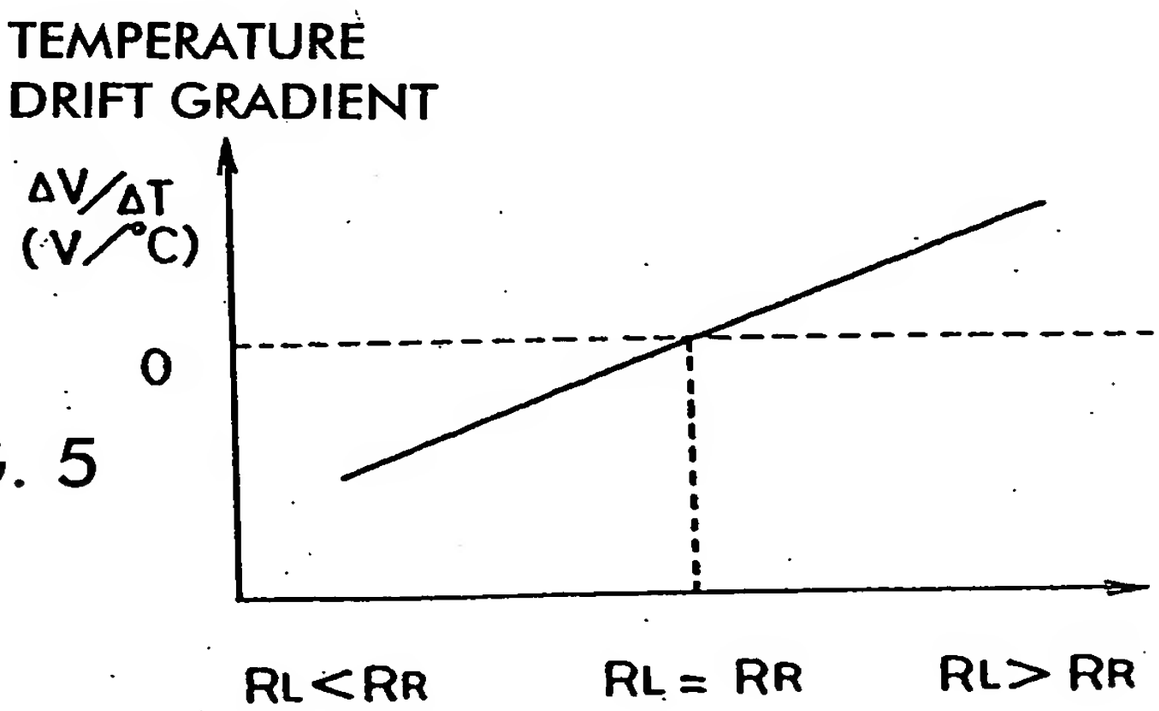


FIG. 5

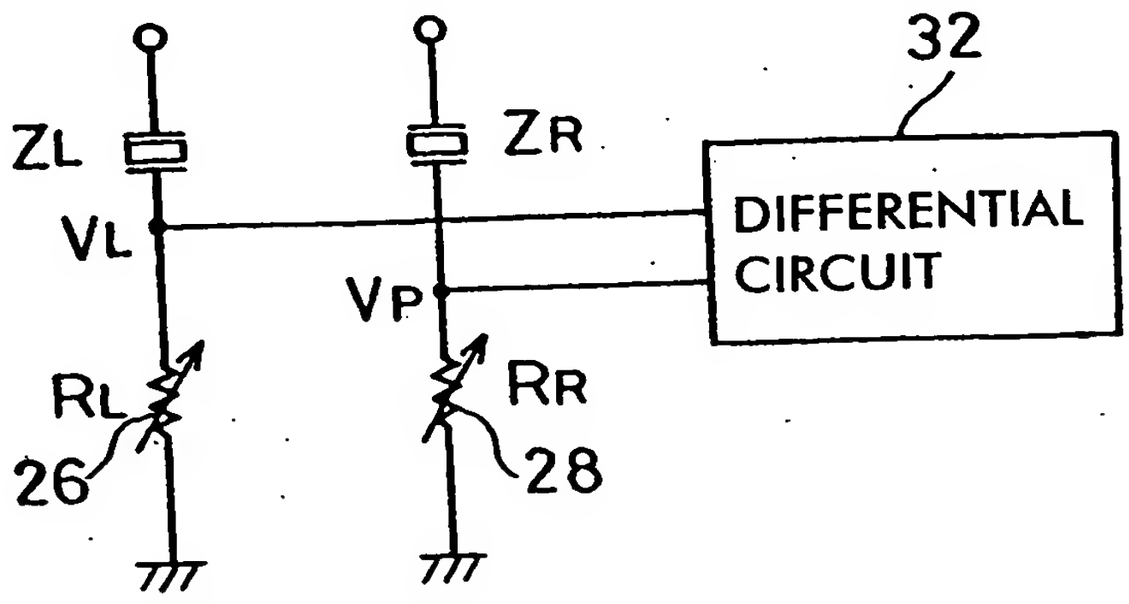


FIG. 6

FIG. 7

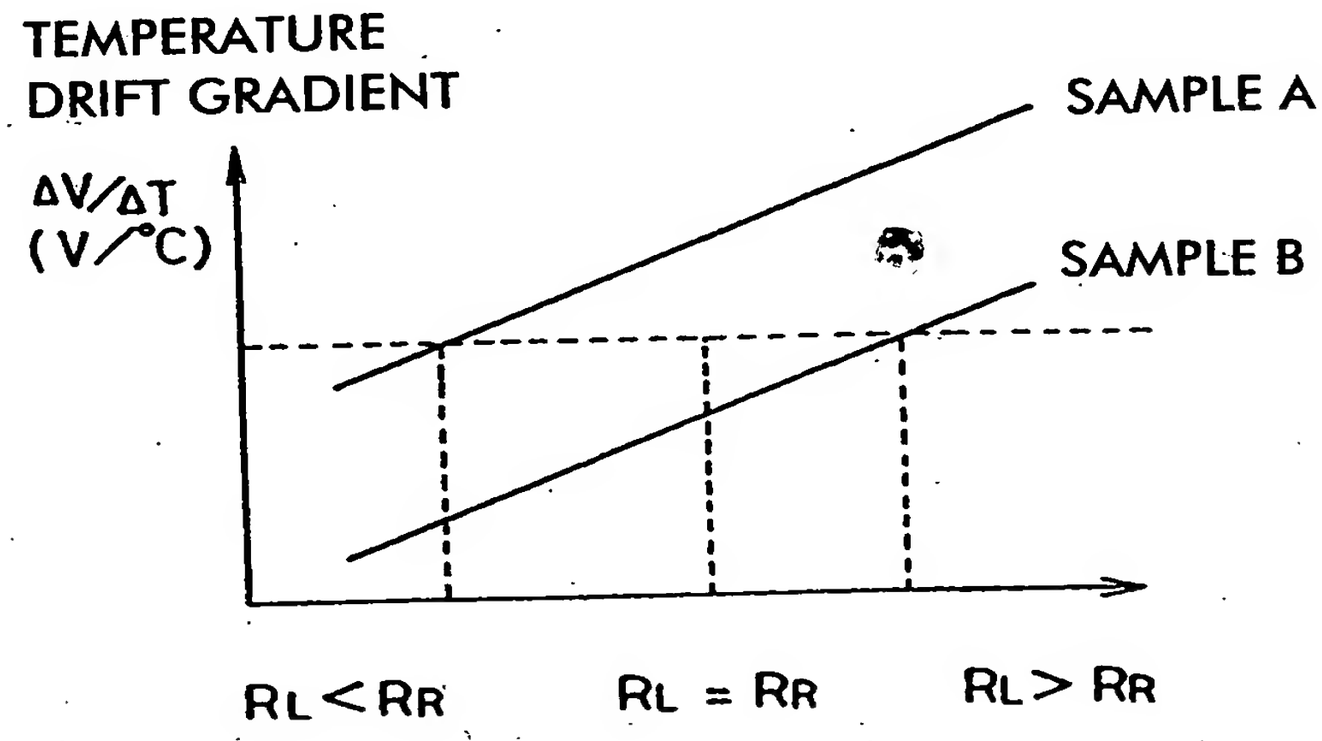

TEMPERATURE
DRIFT GRADIENT
ΔV/ΔT
(V/°C)
SAMPLE A
SAMPLE B
RL < RR
RL = RR
RL > RR

FIG. 8

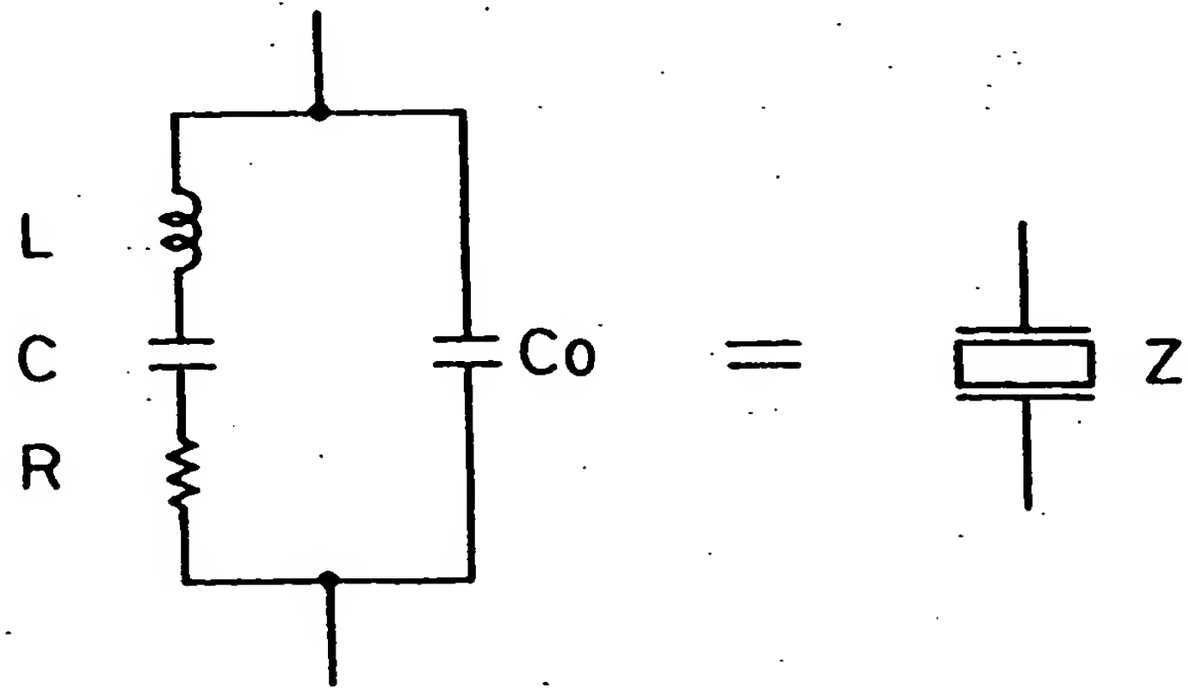

L
C
R
Co
Z

FIG. 9

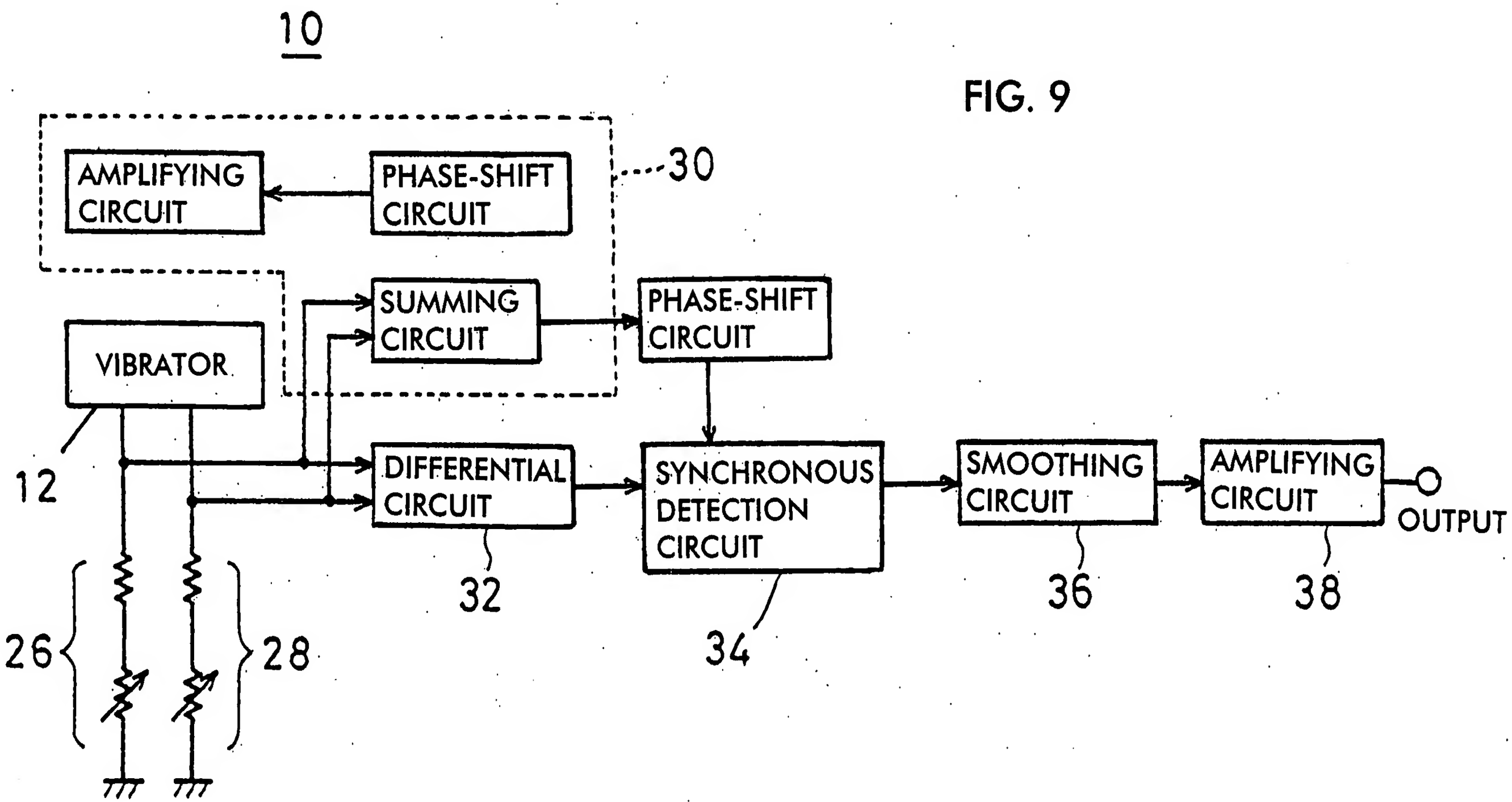

10
AMPLIFYING CIRCUIT
PHASE-SHIFT CIRCUIT
30
SUMMING CIRCUIT
PHASE-SHIFT CIRCUIT
VIBRATOR
12
DIFFERENTIAL CIRCUIT
SYNCHRONOUS DETECTION CIRCUIT
SMOOTHING CIRCUIT
AMPLIFYING CIRCUIT
OUTPUT
32
34
36
38
26
28

FIG. 11 PRIOR ART

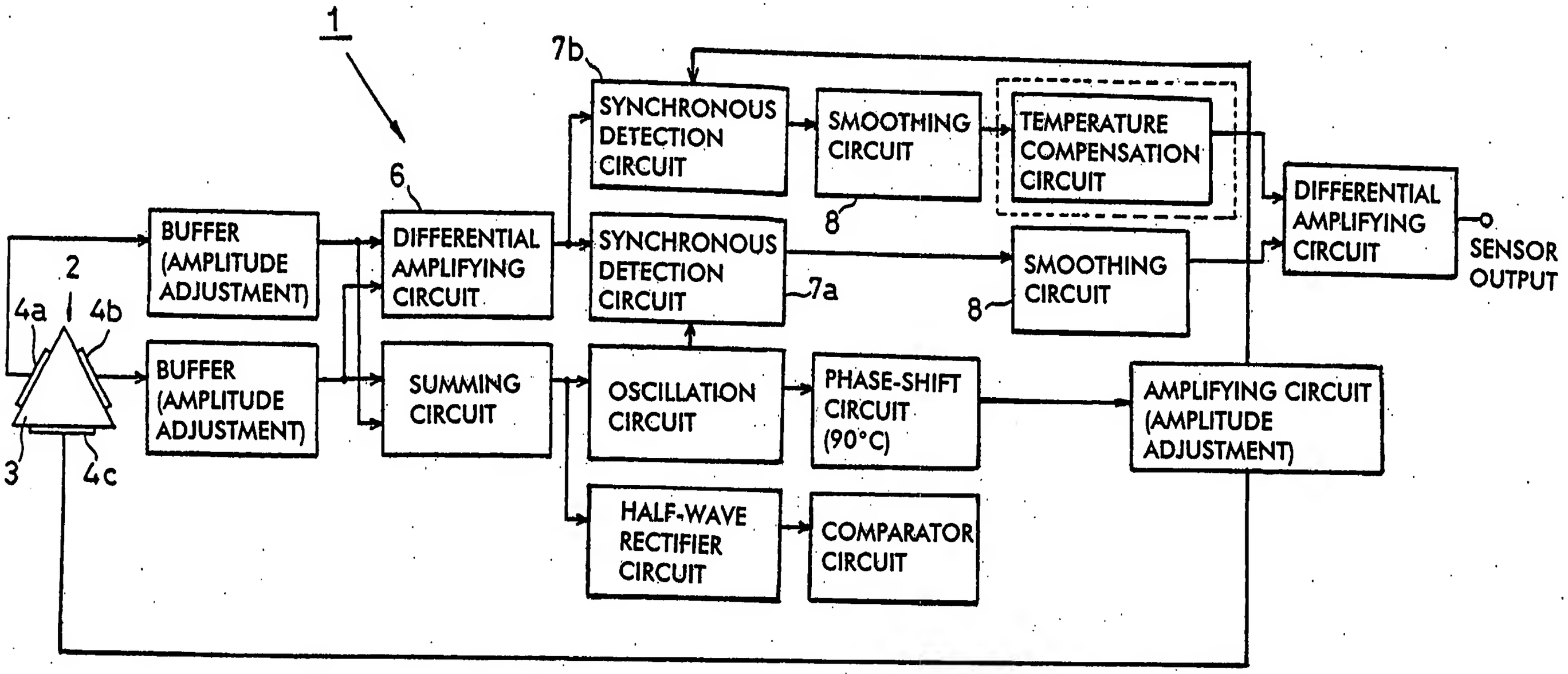


FIG. 10 PRIOR ART

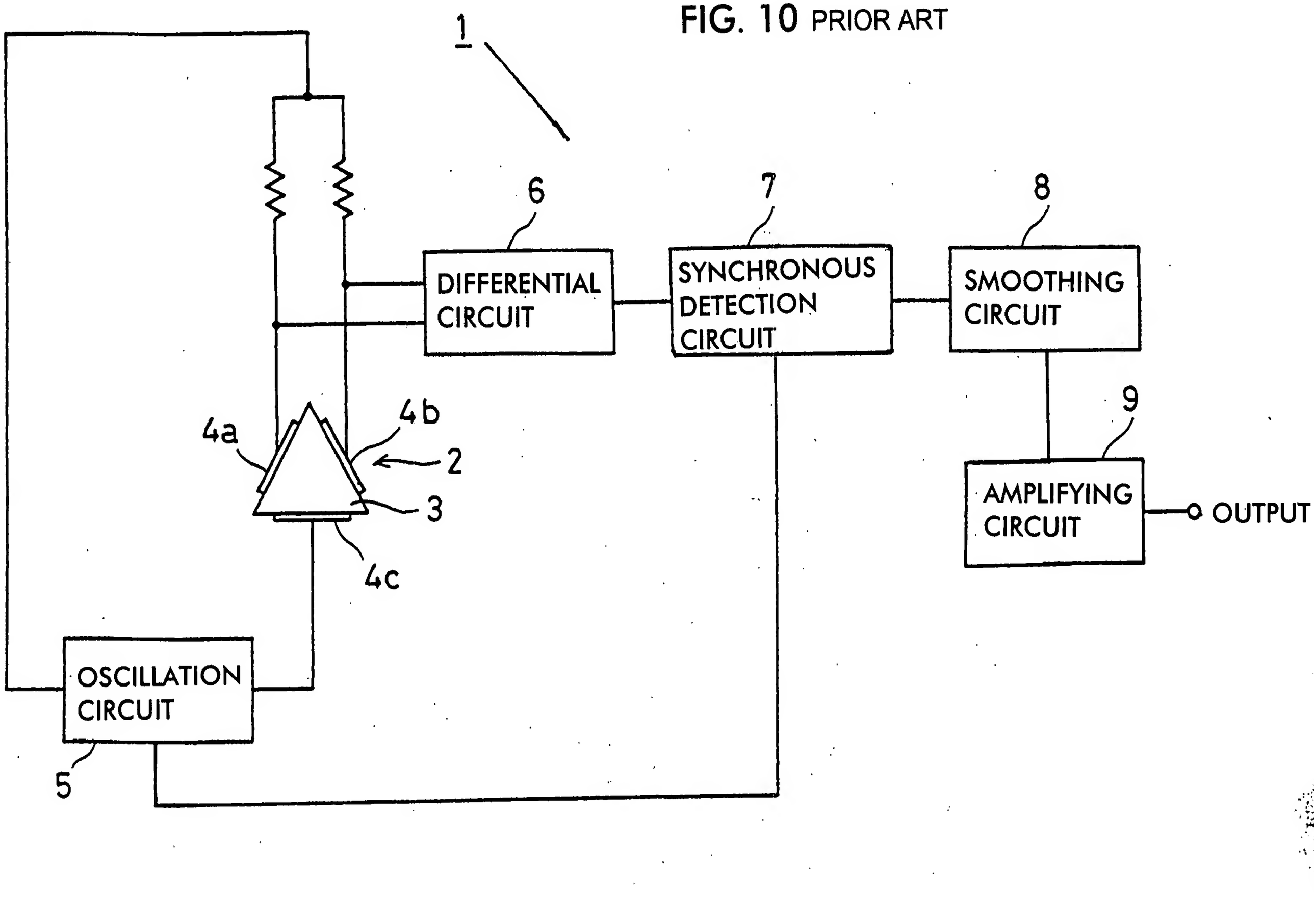


FIG. 12

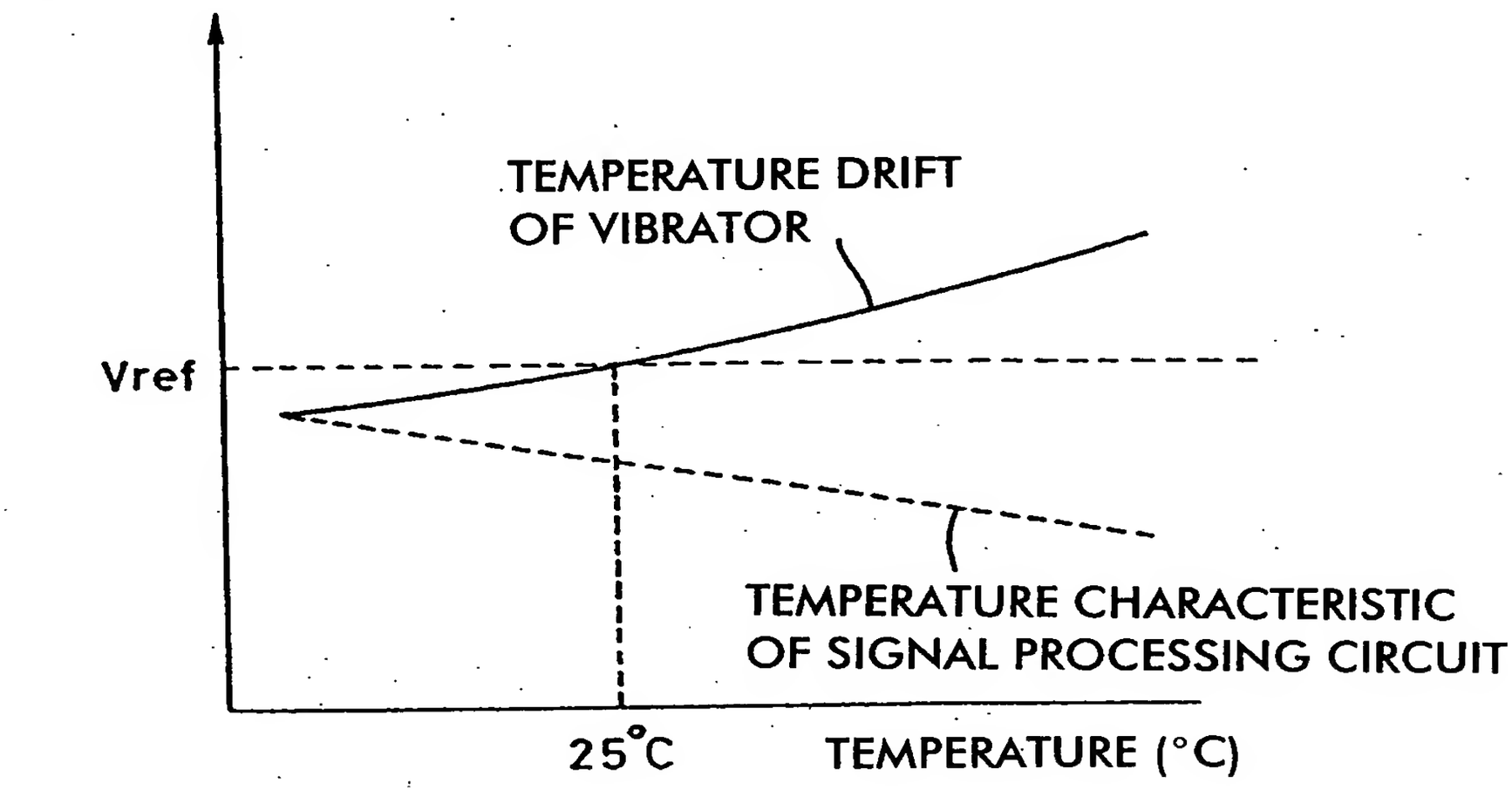

OUTPUT VOLTAGE
TEMPERATURE DRIFT
OF VIBRATOR
Vref
TEMPERATURE CHARACTERISTIC
OF SIGNAL PROCESSING CIRCUIT
25°C
TEMPERATURE (°C)

FIG. 13

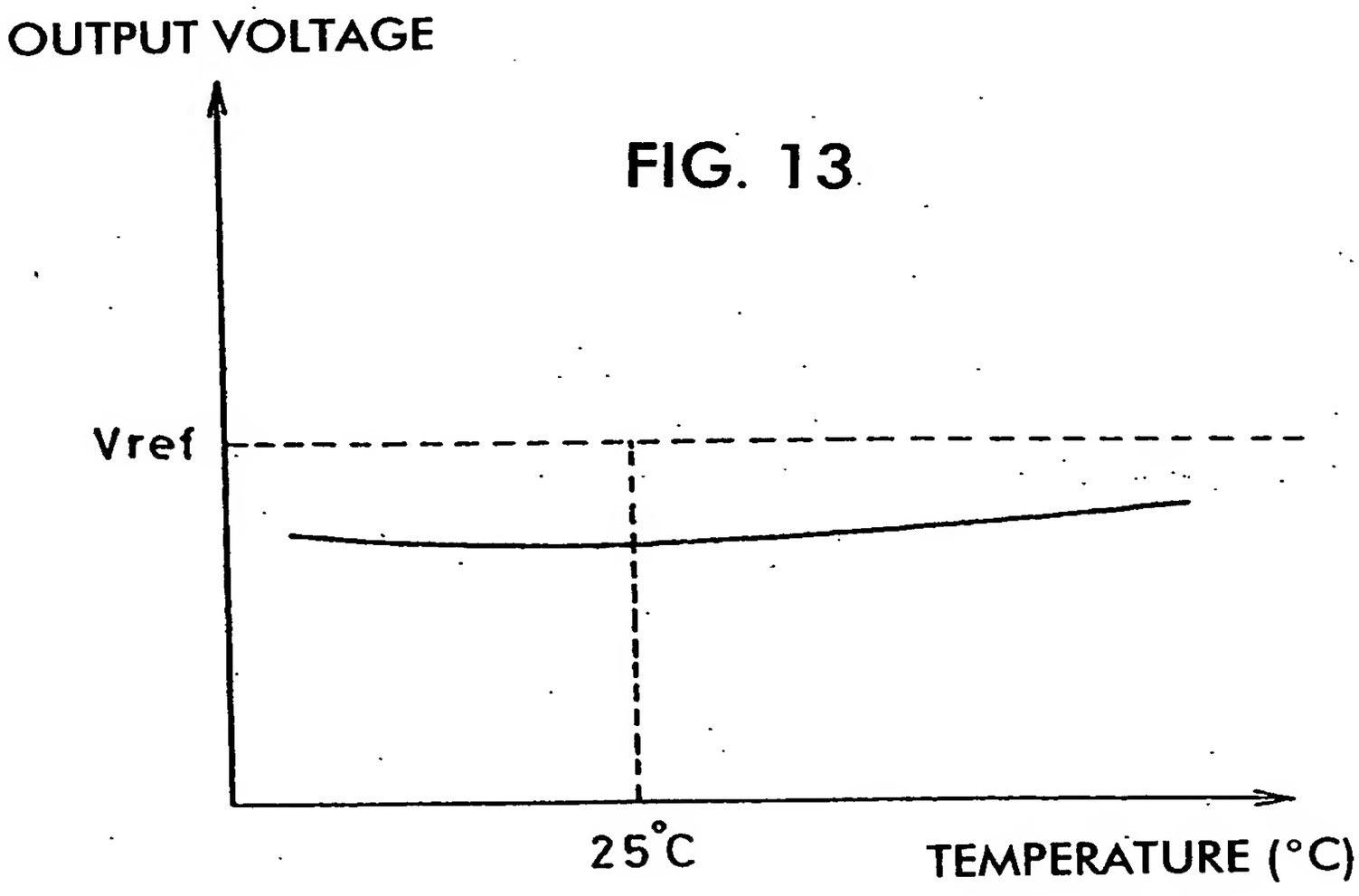

OUTPUT VOLTAGE
Vref
25°C
TEMPERATURE (°C)

FIG. 14 PRIOR ART